

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:

March 9, 2002, 00:48:38 ; Search time 2351.15 Seconds

(Without alignments)

175.416 Million cell updates/sec

Title: US-09-851-670-12
Perfect score: 25

Sequence: 1 acagctcgcccccattaacatattc 25

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1472140 seqs, 8248589755 residues

Total number of hits satisfying chosen parameters:

586436

Minimum DB seq length: 0

Maximum DB seq length: 60

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl:*

1: gb_ba:*

2: gb_htg:*

3: gb_in:*

4: gb_om:*

5: gb_ov:*

6: gb_pat:*

7: gb_ph:*

8: gb_pl:*

9: gb_pr:*

10: gb_ro:*

11: gb_sts:*

12: gb_sy:*

13: gb_un:*

14: gb_vl:*

15: em_ba:*

16: em_fun:*

17: em_hum:*

18: em_in:*

19: em_om:*

20: em_or:*

21: em_ov:*

22: em_pat:*

23: em_ph:*

24: em_pl:*

25: em_ro:*

26: em_sts:*

27: em_sy:*

28: em_un:*

29: em_vl:*

30: em_htg_hum:*

31: em_htg_inv:*

32: em_htg_rod:*

33: em_htg_hum:*

34: em_htg_inv:*

35: em_htg_rod:*

36: em_htg_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

/db_xref="organism:taxon:32630"

Result No.	score	Match Length	DB	ID	Query	Description
c 1	14.6	58.4	58	6	A48495	A48495 Sequence 16
c 2	14	56.0	50	6	A48495	AX097513 Sequence
c 3	13.6	54.4	40	6	A48495	A8473 Sequence 8
c 4	13.6	54.4	57	6	A48495	A60847 Sequence 15
c 5	13.4	53.6	20	6	A48495	AX04424 Sequence
c 6	13.4	53.6	29	6	A48495	AX13235 Sequence
c 7	13.4	53.6	29	6	A48495	AX13236 Sequence
c 8	13.4	53.6	36	6	A465390	A66390 Sequence 31
c 9	13.4	53.6	50	6	A465390	AX16075 Sequence
c 10	13.4	53.6	58	6	A465390	A60214 Sequence 10
c 11	13.4	53.6	58	6	A465390	AR122290 Sequence
c 12	13.2	52.8	34	6	A465390	AR092439 Sequence
c 13	12.8	51.2	48	6	A465390	A29441 sequence ex
c 14	12.8	51.2	51	6	A465390	A66389 Sequence 31
c 15	12.8	51.2	50	6	A465390	AR071603 Mus muscu
c 16	12.6	52.0	51	6	A465390	AX158449 Sequence
c 17	12.8	51.2	48	6	A465390	AX158449 Sequence
c 18	12.8	51.2	48	6	A465390	104381 Sequence
c 19	12.8	51.2	51	6	A465390	104381 Sequence
c 20	12.8	51.2	51	9	A465390	A465390 Sequence ex
c 21	12.6	50.4	32	6	A465390	A465390 Sequence ex
c 22	12.6	50.4	32	6	A465390	A465390 Sequence ex
c 23	12.6	50.4	38	6	A465390	A465390 Sequence ex
c 24	12.6	50.4	38	6	A465390	A465390 Sequence ex
c 25	12.6	50.4	50	6	A465390	A465390 Sequence ex
c 26	12.6	50.4	51	6	A465390	A465390 Sequence ex
c 27	12.4	49.6	21	6	A465390	A465390 Sequence ex
c 28	12.4	49.6	25	6	A465390	A465390 Sequence ex
c 29	12.4	49.6	25	6	A465390	A465390 Sequence ex
c 30	12.4	49.6	25	6	A465390	A465390 Sequence ex
c 31	12.4	49.6	30	6	A465390	A465390 Sequence ex
c 32	12.4	49.6	34	6	A465390	A465390 Sequence ex
c 33	12.4	49.6	36	6	A465390	A465390 Sequence ex
c 34	12.4	49.6	36	6	A465390	A465390 Sequence ex
c 35	12.4	49.6	40	6	A465390	A465390 Sequence ex
c 36	12.4	49.6	51	6	A465390	A465390 Sequence ex
c 37	12.4	49.6	54	6	A465390	A465390 Sequence ex
c 38	12.2	48.8	19	6	A465390	A465390 Sequence ex
c 39	12.2	48.8	21	6	A465390	A465390 Sequence ex
c 40	12.2	48.8	28	6	A465390	A465390 Sequence ex
c 41	12.2	48.8	28	6	A465390	A465390 Sequence ex
c 42	12.2	48.8	28	6	A465390	A465390 Sequence ex
c 43	12.2	48.8	37	6	A465390	A465390 Sequence ex
c 44	12.2	48.8	42	6	A465390	A465390 Sequence ex
c 45	12.2	48.8	42	6	A465390	A465390 Sequence ex
ALIGNMENTS						
A48495	1					
LOCUS		A48495				
DEFINITION		Sequence 58 bp				
ACCESSION		from Patent				
VERSION		WO9602654				
SOURCE						
ORGANISM						
KEYWORDS						
ARTIFICIAL						
SYNTHETIC						
CONSTRUCT						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
COMMENT						
FEATURES						
source						
1. .58						

BASE COUNT	17 a	21 c	13 g	7 t	Qy	6 tcgcccatataactatcc 25
ORIGIN					Db	17 TCTACCTATGAACTATTC 36
Query Match	58.4%	Score 14.6;	DB 6;	Length 58;	Qy	6 tcgcccatataactatcc 25
Best Local Similarity	81.0%	Pred. No. 1.3e-04;	Indels 4;	Gaps 0;	Db	17 TCTACCTATGAACTATTC 36
Matches 17;	Conservative	0;	Mismatches 4;		RESULT	4
Db	25 ACAGCTAGGCCACCATCACCAT 45				A60847	A60847
FEATURES	source				LOCUS	A60847
RESULT	2				DEFINITION	Sequence 156 from Patent WO9708320.
AX097513/c		Ax097513	50 bp	DNA	VERSION	A60847
LOCUS		Sequence 32 from Patent	W00118217.	PAT	30-MAR-2001	
DEFINITION				REFERENCE	1 (bases 1 to 57)	
ACCESSION		Ax097513		AUTHORS	Knapik,A., Pack,P., Ilag,V., Ge,L., Moroney,S. and Plueckthun,A.	
VERSION		Ax097513.1	GI:13514145	TITLE	PROTEIN/POLYPEPTIDE LIBRARIES	
SOURCE				JOURNAL	Patent: WO 9708320 A 156 06 MAR 1997;	
ORGANISM				FEATURES	MORPHOSYS PROTEINOPTIMIERUNG (DE)	
REFERENCE				source	Location/Qualifiers	
AUTHORS		1 (bases 1 to 57)			1. -57	
TITLE		Peredelatchouk,M., Vonstein,V. and Demirjian,D.			/organism="unidentified"	
JOURNAL		Thermus promoters for gene expression			/db_xref="taxon:32630"	
Patent	WO 018217-A 32 15 MAR-2001;					
FEATURES	source					
BASE COUNT	16 a	11 c	8 g	15 t	BASE COUNT	14 a 16 c 14 g 13 t
ORIGIN					RESULT	5
Query Match	56.0%	Score 14;	DB 6;	Length 50;	Qy	5 ctgcggccatataactatt 24
Best Local Similarity	77.3%	Pred. No. 2.6e-04;	Indels 5;	Indels 0;	Db	17 CTGGCACGATAAAGATT 36
Matches 17;	Conservative	0;	Mismatches 5;	Gaps 0;	LOCUS	A0004424
Db	22 AAAGCTCGCTTCAACAAA 1			DEFINITION	Sequence 6 from Patent	
RESULT	3			VERSION	W09916899.	
A84763		A84763	40 bp	DNA	PAT	24-AUG-2000
LOCUS		Sequence 8 from Patent	W09844135.	PAT	21-JAN-2000	
DEFINITION				REFERENCE	1 (bases 1 to 20)	
ACCESSION		A84763		AUTHORS	Antcl,J.L. and Cote,G.	
VERSION		A84763.1	GI:6733631	TITLE	Molecular diagnostic of glaucomas associated with chromosomes 2 and	
KEYWORDS				JOURNAL	Patent: WO 9916899-A 6 08-APR-1999;	
SOURCE				FEATURES	ANTCL JEAN LOUIS (CA); COTE GILLES (CA)	
ORGANISM				source	Location/Qualifiers	
REFERENCE		1 (bases 1 to 20)			1. -20	
AUTHORS					/organism="synthetic construct"	
TITLE					/db_xref="taxon:32630"	
JOURNAL					/note="OLIGONUCLEOTIDE"	
FEATURES	source					
BASE COUNT	7 a	6 c	2 g	5 t	BASE COUNT	7 a 6 c 2 g
ORIGIN					Qy	10 ccgcattaaatatt 24
Query Match	54.4%	Score 13.6;	DB 6;	Length 20;	Db	1 CCCCATTAACAAAT 15
Best Local Similarity	80.0%	Pred. No. 4e-04;	Indels 4;	Gaps 0;	RESULT	6
Matches 16;	Conservative	0;	Mismatches 4;			
BASE COUNT	9 a	13 c	7 g	11 t		
ORIGIN						

AX137235	AX137235	29 bp	DNA	PAT	30-MAY-2001	ORGANISM	unclassified
LOCUS	Sequence 86 from Patent EP1092764.					DEFINITION	Sequence 86 from Patent EP1092764.
ACCESSION	AX137235					REFERENCE	1 (bases 1 to 36)
VERSION	AX137235.1	GI:14273561				AUTHORS	Burg,S.H., Kast,W.M., Toes,R.E., Offringa,R., Melief,C. and Johannes,M.
KEYWORDS	synthetic construct.					TITLE	METHODS FOR SELECTING AND PRODUCING T CELL PEPTIDE EPITOPES AND VACCINES INCORPORATING SAID SELECTED EPITOPES
REFERENCE	synthetic construct.					JOURNAL	Patent: WO 9741440-A 317 06-NOV-1997;
ORGANISM	artificial sequence.					FEATURES	UNIV LEIDEN (NL)
1 (bases 1 to 29)						source	Location/Qualifiers
AUTHORS	Bartok,A., Mueh,T. and Rueckel,M.					1. .36	
JOURNAL	Patent: EP 1092764-A 86 18-APR-2001;					/Organism="unidentified"	
FEATURES	continuous fermentation process					/db_xref="taxon:32644"	
SOURCE	Location/Qualifiers						
1. .29							
/organism="synthetic construct"							
/db_xref="taxon:32630"							
BASE COUNT	6 a	6 c	6 g	6 t		BASE COUNT	10 a
ORIGIN						ORIGIN	6 c
Query Match	53.6%	Score 13.4;	DB 6;	Length 29;		Query Match	53.6%
Best Local Similarity	73.9%	Pred. No. 5.1e+04;				Best Local Similarity	73.9%
Matches	17;	Conservative	0;	Mismatches		Matches	17;
QY	3 agctcgccccatccaatattc 25					QY	2 cagctcgccccatcacatatt 24
Db	7 AGCTCGCCCTCGAGAGCCTTC 29					Db	34 CGCTAGAGCCATTACATT 12
RESULT	7					RESULT	9
AX137236/C	AX137236	29 bp	DNA	PAT	30-MAY-2001	AX165076	AX165076
LOCUS	Sequence 87 from Patent EP1092764.					DEFINITION	50 bp
ACCESSION	AX137236					ACCESSION	DNA
VERSION	AX137236.1	GI:14273562				VERSION	W00138586.
KEYWORDS						KEYWORDS	
SOURCE	synthetic construct.					SOURCE	human.
ORGANISM	synthetic construct.					ORGANISM	Homo sapiens
REFERENCE	artificial sequence.					REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	1 (bases 1 to 29)					AUTHORS	1 (bases 1 to 50)
JOURNAL	Bartok,A., Mueh,T. and Rueckel,M.					TITLE	Shinkets,R.A. and Leach,M.
FEATURES	continuous fermentation process					FEATURES	Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
SOURCE	Patent: EP 1092764-A 87 18-APR-2001;					JOURNAL	Patent: WO 0138586-A 271 31-MAY-2001;
F. HOFFMANN-LA ROCHE AG (CH)						FEATURES	Curagen corporation (US)
FEATURES	Location/Qualifiers					FEATURES	Location/Qualifiers
SOURCE	1. .29					SOURCE	1. .50
/organism="synthetic construct"						/organism="Homo sapiens"	
/note="Primer"						/db_xref="taxon:9606"	
BASE COUNT	6 a	6 c	11 g	6 t		BASE COUNT	26
ORIGIN						ORIGIN	/note="Nucleotide deleted between bases 25 and 26"
Query Match	53.6%	Score 13.4;	DB 6;	Length 29;		Query Match	53.6%
Best Local Similarity	73.9%	Pred. No. 5.1e+04;				Best Local Similarity	73.9%
Matches	17;	Conservative	0;	Mismatches		Matches	17;
QY	3 agctcgccccatccaatattc 25					QY	2 cagctcgccccatcacatatt 24
Db	23 AGCTCGCCCTCGAGAGCCTTC 1					Db	17 CAGCTACCCCATAGACCAAT 39
RESULT	8					RESULT	10
A66390/C	A66390	36 bp	DNA	PAT	29-MAR-1999	A60214	A60214
LOCUS	Sequence 317 from Patent WO9741440.					DEFINITION	58 bp
ACCESSION	A66390					ACCESSION	DNA
VERSION	A66390.1	GI:4538077				VERSION	W09708330.
KEYWORDS						KEYWORDS	
SOURCE	unidentified.					SOURCE	unidentified.

	BASE COUNT	11 a	11 c	6 g	6 t
ORGANISM	unidentified				
REFERENCE	unclassified				
AUTHORS	1 (bases 1 to 58)				
TITLE	Collins, M.K., Weiss, R.A., Takeuchi, Y. and Cosset, F.				
JOURNAL	EXPRESSION SYSTEMS				
PATENT	WO 9708330-A 10 06-MAR-1997;				
FEATURES	Location/Qualifiers				
source	/organism="unidentified"				
BASE COUNT	15 a	19 c	12 g	12 t	
ORIGIN					
RESULT	11				
Query Match	53.6%; Score 13.4; DB 6; Length 58;				
LOCUS	Best Local Similarity 73.9%; Pred. No. 5.1e+04; Matches 17; Conservative 0; Mismatches 6; Indels 0; Gaps 0;				
Qy	2 cagtcggccccaattaaacatt 24				
Db	25 CAGCGGGCACCATGAAACATT 47				
RESULT	11				
Query Match	53.6%; Score 13.4; DB 6; Length 58;				
LOCUS	Best Local Similarity 73.9%; Pred. No. 5.1e+04; Matches 17; Conservative 0; Mismatches 6; Indels 0; Gaps 0;				
DEFINITION	Sequence 10 from patent US 6165715.				
ACCESSION	AR122290				
VERSION	AR122290.1 GI:14106607				
KEYWORDS					
ORGANISM	Unknown.				
REFERENCE	Unclassified.				
AUTHORS	Collins, M.K., KatherineLevinge, Weiss, R.Anthony, Takeuchi, Y. and Cosset, F.				
TITLE	Expression systems				
JOURNAL	Patent: US 6165715-A 10 26-DEC-2000;				
FEATURES	Location/Qualifiers				
source	1. -58 /organism="unknown"				
BASE COUNT	15 a	19 c	12 g	12 t	
ORIGIN					
RESULT	12				
Query Match	53.6%; Score 13.4; DB 6; Length 58;				
LOCUS	Best Local Similarity 73.9%; Pred. No. 5.1e+04; Matches 17; Conservative 0; Mismatches 6; Indels 0; Gaps 0;				
Qy	2 cagtcggccccaattaaacatt 24				
Db	25 CAGCGGGCACCATGAAACATT 47				
RESULT	12				
Query Match	53.6%; Score 13.4; DB 6; Length 58;				
LOCUS	Best Local Similarity 73.9%; Pred. No. 5.1e+04; Matches 17; Conservative 0; Mismatches 6; Indels 0; Gaps 0;				
DEFINITION	Sequence 21 from patent US 5998164.				
ACCESSION	AR092439				
VERSION	AR092439.1 GI:10019193				
KEYWORDS					
SOURCE	Unknown.				
ORGANISM	Unknown.				
REFERENCE	Unclassified.				
AUTHORS	Li, Y., Cao, L., Ni, J., Gentz, R., Bult, C.J., Sutton, G.G. III and Rosen, C.A.				
TITLE	Polynucleotides encoding human G-protein coupled receptor GPR2				
JOURNAL	Patent: US 5998164-A 21 07-DEC-1999;				
FEATURES	Location/Qualifiers				
source	1. -34 /organism="unknown"				
RESULT	13				
Query Match	52.8%; Score 13.2; DB 6; Length 34;				
LOCUS	Best Local Similarity 83.3%; Pred. No. 6.4e+04; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
DEFINITION	Sequence expressed in pre-B cells.				
ACCESSION	A29441				
VERSION	A29441.1 GI:1831980				
KEYWORDS					
SOURCE	synthetic construct.				
ORGANISM	synthetic construct.				
REFERENCE	1 (bases 1 to 60)				
AUTHORS	Bauer, S.R., Kudo, A., Melchers, G.F. and Sakaguchi, N.				
TITLE	Nucleotide sequences which are selectively expressed in pre-B cells and probes therefor				
JOURNAL	Patent: EP 029127-A 59 01-JUN-1988;				
FEATURES	Location/Qualifiers				
source	1. -60 /organism="synthetic construct"				
BASE COUNT	10 a	21 c	13 g	16 t	
ORIGIN					
RESULT	14				
Query Match	52.8%; Score 13.2; DB 6; Length 60;				
LOCUS	Best Local Similarity 83.3%; Pred. No. 6.4e+04; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
DEFINITION	Sequence 316 from Patent WO9741440.				
ACCESSION	A66389				
VERSION	A66389.1 GI:4538076				
KEYWORDS					
SOURCE	unidentified.				
ORGANISM	unidentified				
REFERENCE	1 (bases 1 to 36)				
AUTHORS	Burg, S.H., Kast, W.M., Toes, R. E., Offringa, R., Mielke, C. and Johannes, M.				
TITLE	METHODS FOR SELECTING AND PRODUCING T CELL PEPTIDE EPITOPE AND VACCINES INCORPORATING SAID SELECTED EPITOPE				
JOURNAL	Patent: WO 9741440-A 316 06-NOV-1997;				
FEATURES	UNIV LEIDEN (NL)				
source	1. -36 Location/Qualifiers				
BASE COUNT	9 a	9 c	7 g	11 t	
ORIGIN					
RESULT	15				
Query Match	52.0%; Score 13; DB 6; Length 36;				
LOCUS	Best Local Similarity 76.2%; Pred. No. 8.1e+04; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
DEFINITION					
ACCESSION					
VERSION					
KEYWORDS					
SOURCE					
ORGANISM					
REFERENCE	1 (bases 1 to 34)				
AUTHORS	Li, Y., Cao, L., Ni, J., Gentz, R., Bult, C.J., Sutton, G.G. III and Rosen, C.A.				
TITLE	Polynucleotides encoding human G-protein coupled receptor GPR2				
JOURNAL	Patent: US 5998164-A 21 07-DEC-1999;				
FEATURES	Location/Qualifiers				
source	1. -34 /organism="unknown"				

Matches	16	conservative	0	Mismatches	5	Indels	0	Gaps	0
Qy	4	gtctggccatctaactatt	24						
Db	1	GCTAGAGCCATTACATATT	21						
RESULT	15								
AF071603/C		AF071603	50 bp	DNA	ROD	26-JN-1999			
LOCUS		Mus musculus	clone CμJ-11	immunoglobulin heavy chain D-J region					
DEFINITION		(VHJ558-D-J)	gene, partial sequence.						
ACCESSION		AF071603							
VERSION		AF071603.1	GI:3290190						
KEYWORDS									
SOURCE		house mouse.							
ORGANISM		Mus musculus							
REFERENCE		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.							
AUTHORS	1	(bases 1 to 50)							
TITLE		Klonowski, K.D., Primiano, L.L. and Monestier, M.							
JOURNAL		Atypical VH-D-JH rearrangements in newborn autoimmune MRL mice							
MEDLINE		J. Immunol. 162 (3), 1566-1572 (1998)							
REFERENCE	2	9913837							
AUTHORS		(bases 1 to 50)							
TITLE		Monestier, M. and Klonowski, K.							
JOURNAL		Submitted (12-JUN-1998) Microbiology and Immunology, Temple University School of Medicine, 3400 N. Broad St., Philadelphia, PA 19140, USA							
FEATURES		Location/Qualifiers							
source		1. .50							
		/organism="Mus musculus"							
		/strain="C3H-+/+							
		/db_xref="Taxon:10090"							
		/tissue_type="Liver"							
		/dev_stage="newborn"							
		/rearranged							
		/clone="CPJ-11"							
		<1. .>50							
		/gene="VHJ558-D-J"							
		/note="possible frameshift at D-J junction during rearrangement may result in nonfunctional immunoglobulin heavy chain"							
		<1. .>50							
gene		/gene="VHJ558-D-J"							
BASE COUNT	11	a	11	c	16	g	12	t	
ORIGIN									
Query Match		52.0%	Score	13	DB	10	Length	50	
Best Local Similarity		76.2%	Pred.	No.	8.1e+04				
Matches	16	Conservative	0	Mismatches	5	Indels	0	Gaps	0
Qy	5	ctccccccatctaactttc	25						
Db	33	CTTGCCCCAGTAACTGAGTC	13						

Search completed: March 9, 2002, 00:48:39
 Job time: 11120 sec

THIS PAGE BLANK (USPTO)